SEQUENCE LISTING

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<110> INCYTE PHARMACEUTICALS, INC.
    - TANG, Y. Tom
      LAL, Preeti
   BANDMAN, Olga
      CORLEY, Neil C.
      GUEGLER, Karl J.
      GORGONE, Gina A.
      BAUGHN, Mariah R.
      PATTERSON, Chandra
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Ala Gly Val Arg Pro Ser Ala Gly Asn Val Ser Thr His Pro Ser
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Leu Ser Gln Arg Pro Gly Gly Ser Thr Lys Ser His Pro Glu Pro
                  50
                                      55
Gln Thr Pro Lys Asp Ser Pro Ser Lys Ser Ser Ala Glu Ala Gln
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Thr Pro Glu Asp Thr Pro Asn Lys Ser Gly Ala Glu Ala Lys Thr
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                                      85
Gln Lys Asp Ser Ser Asn Lys Ser Gly Ala Glu Ala Lys Thr Gln
                  95
                                      100
Lys Gly Ser Thr Ser Lys Ser Gly Ser Glu Ala Gln Thr Thr Lys
                                      115
Asp Ser Thr Ser Lys Ser His Ser Glu Leu Gln Thr Pro Lys Asp
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Ser Thr Gly Lys Ser Gly Ala Glu Ala Gln Thr Pro Glu Asp Ser
Pro Asn Arg Ser Gly Ala Glu Ala Lys Thr Gln Lys Asp Ser Pro
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Ser Lys Ser Gly Ser Glu Ara Gln Thr Thr Lys Asp Val Pro Asn
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                170
Lys Ser Gly Ala Asp Gly Gln Thr Pro Lys Asp Gly Ser Ser Lys
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                185
Ser Gly Ala Glu Asp Gln Thr Pro Lys Asp Val Pro Asn Lys Ser
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                                     205
Gly Ala Glu Lys Gln Thr Pro Lys Asp Gly Ser Asn Lys Ser Gly
                215
                                     220
Ala Glu Glu Gln Gly Pro Ile Asp Gly Pro Ser Lys Ser Gly Ala
                230
                                    235
Glu Glu Gln Thr Ser Lys Asp Ser Pro Asn Lys Val Val Pro Glu
                                     250
Gln Pro Ser Arg Lys Asp His Ser Lys Pro Ile Ser Asn Pro Ser
                260
                                     265
Asp Asn Lys Glu Leu Pro Lys Ala Asp Thr Asn Gln Leu Ala Asp
               275
                                     280
Lys Gly Lys Leu Ser Pro His Ala Phe Lys Thr Glu Ser Gly Glu
                                     295
Glu Thr Asp Leu Ile Ser Pro Pro Gln Glu Glu Val Lys Ser Ser
                305
                                    310
Glu Pro Thr Glu Asp Val Glu Pro Lys Glu Ala Glu Asp Asp Asp
                320
                                     325
Thr Gly Pro Glu Glu Gly Ser Pro Pro Lys Glu Glu Lys Glu Lys
                                     340
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Met Ser Gly Ser Ala Ser Ser Glu Asn Arg Glu Gly Thr Leu Ser
                350
                                    355
Asp Ser Thr Gly Ser Glu Lys Asp Asp Leu Tyr Pro Asn Gly Ser
                                     370
                365
Gly Asn Gly Ser Ala Glu Ser Ser His Phe Phe Ala Tyr Leu Val
                                     385
Thr Ala Ala Ile Leu Val Ala Val Leu Tyr Ile Ala His His Asn
                                     400
                395
Lys Arg Lys Ile Ile Ala Phe Val Leu Glu Gly Lys Arg Ser Lys
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                                     415
Val Thr Arg Arg Pro Lys Ala Ser Asp Tyr Gln Arg Leu Asp Gln
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Lys Tyr Val Leu Ile Leu Asn Val Phe Pro Ala Pro Pro Lys Arg
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<220>
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Ser Lys Tyr Leu His Val Gly Tyr Ile Val Pro Pro Ala Pro Glu
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                                    205
Lys Ser Ile Val Gly Met Thr Lys Val Lys Val Gly Lys Glu Asp
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                                    220
Ser Ser Ser Thr Glu Phe Val Glu Lys Arg Arg Ala Ala Leu Glu
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                                    235
Arg Tyr Leu Gln Arg Thr Val Lys His Pro Thr Leu Leu Gln Asp
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                                    250
Pro Asp Leu Arg Gln Phe Leu Glu Ser Ser Glu Leu Pro Arg Ala
Val Asn Thr Gln Ala Leu Ser Gly Ala Gly Ile Leu Arg Met Val
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Asn Lys Ala Ala Asp Ala Val Asn Lys Met Thr Ile Lys Met Asn
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Glu Ser Asp Ala Trp Phe Glu Glu Lys Gln Gln Gln Phe Glu Asn
                305
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Leu Asp Gln Gln Leu Arg Lys Leu His Val Ser Val Glu Ala Leu
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Val Cys His Arg Lys Glu Leu Ser Ala Asn Thr Ala Ala Phe Ala
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Lys Ser Ala Ala Met Leu Gly Asn Ser Glu Asp His Thr Ala Leu
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Ser Arg Ala Leu Ser Gln Leu Ala Glu Val Glu Lys Ile Asp
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Gln Leu His Gln Glu Gln Ala Phe Ala Asp Phe Tyr Met Phe Ser
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                                    385
Glu Leu Leu Ser Asp Tyr Ile Arg Leu Ile Ala Ala Val Lys Gly
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                                    400
Val Phe Asp His Arg Met Lys Cys Trp Gln Lys Trp Glu Asp Ala
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Gln Ile Thr Leu Leu Lys Lys Arg Glu Ala Glu Ala Lys Met Met
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Val Ala Asn Lys Pro Asp Lys Ile Gln Gln Ala Lys Asn Glu Ile
Arg Glu Trp Glu Ala Lys Val Gln Gln Gly Glu Arg Asp Phe Glu
Gln Ile Ser Lys Thr Ile Arg Lys Glu Val Gly Arg Phe Glu Lys
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                                    475
Glu Arg Val Lys Asp Phe Lys Thr Val Ile Ile Lys Tyr Leu Glu
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Phe Leu Pro Glu Ala Lys Ala Ile Ala
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<220>

<221> misc feature

<223> Incyte ID No:1749964CD1

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	Asn	Lys	Ala	Thr	Asp 35	Pro	Ser	Met	Ser	Glu 40	Gln	Asp	Trp	Ser	Ala 45
	Ile	Gln	Asn	Phe	Cys 50	Glu	Gln	Val	Asn	Thr 55	Asp	Pro	Asn	Gly	Pro 60
	Thr	His	Ala	Pro	Trp 65	Leu	Leu	Ala	His	Lys 70	Ile	Gln	Ser	Pro	Gln 75
	Glu	Lys	Glu	Ala	Leu 80	Tyr	Ala	Leu	Thr	Val 85	Leu	Glu	Met	Cys	Met 90
	naA	His	Cys	Gly	Glu 95	Lys	Phe	His	Ser	Glu 100	Val	Ala	Lys	Phe	Arg 105
					110	•				115				Leu	120
		ā			125				-	130				Ile	135
					140	٠		,	•	145		-		Arg	150
		-		•	155	-	•	. •	- .	160		-		Asp	165
	-				170	_				175				Trp	180
	-				185	_				190	·		-	Leu	195
		_			200					205				Ala	210
					215			•		220				Lys	225
•					Lys 230				- 0	235					Ser 240
					245					250		-		Arg	255
	•				260	-				265				Tyr	270
	_	•		_	275			•		280				Ala	285
	1				290	-				295				Met	300
	_				305	,				310				Gly	315
					320			•		325				Met	330
					335					340				Ala	345
	•	-			350					355				Ala	360
		_			365					370		_		Gly	375
		_			380					385	-	*	•	Leu	390
		<u> </u>			395					400				Leu	405
	- Ly	O.F.Y	JIY	· 41	410	- 1-211	-10		- · · · · ·	415	*** 9			u	420

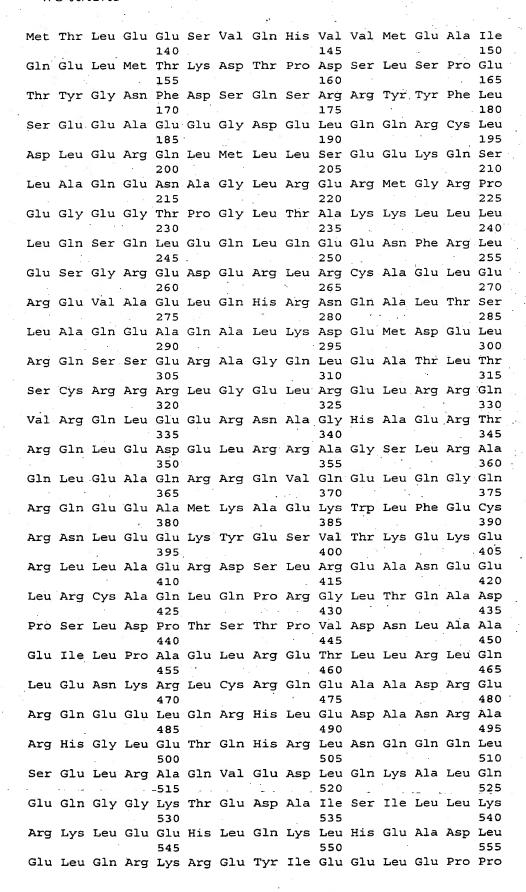
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Gln Lys Ser Val Pro Lys Glu Val Pro Pro Gly Thr Lys Ser Ser
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Pro Gly Trp Ser Trp Glu Ala Gly Pro Leu Ala Pro Ser Pro Ser
               455
                                   460
Ser Gln Asn Thr Pro Leu Ala Gln Val Phe Val Pro Leu Glu Ser
               470
                                   475
Val Lys Pro Ser Ser Leu Pro Pro Leu Ile Val Tyr Asp Arg Asn
                                  490
Gly Phe Arg Ile Leu Leu His Phe Ser Gln Thr Gly Ala Pro Gly
                                   505
His Pro Glu Val Gln Val Leu Leu Thr Met Met Ser Thr Ala
Pro Gln Pro Val Trp Asp Ile Met Phe Gln Val Ala Val Pro Lys
               530
                                    535
Ser Met Arg Val Lys Leu Gln Pro Ala Ser Ser Ser Lys Leu Pro
               545
                                   550
Ala Phe Ser Pro Leu Met Pro Pro Ala Val Ile Ser Gln Met Leu
               °560
                                   565
Leu Leu Asp Asn Pro His Lys Glu Pro Ile Arg Leu Arg Tyr Lys
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Leu Thr Phe Asn Gln Gly Gly Gln Pro Phe Ser Glu Val Gly Glu
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Val Lys Asp Phe Pro Asp Leu Ala Val Leu Gly Ala Ala
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560
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Thr Asp Ser Ser Thr Ala Arg Arg Ile Glu Glu Leu Gln His Asn
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Leu Gln Lys Lys Asp Ala Asp Leu Arg Ala Met Glu Glu Arg Tyr
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Arg Arg Tyr Val Asp Lys Ala Arg Met Val Met Gln Thr Met Glu
                605
                                    610
Pro Lys Gln Arg Pro Ala Ala Gly Ala Pro Pro Glu Leu His Ser
                620 .
                                    625
Leu Arg Thr Gln Leu Arg Glu Arg Asp Val Arg Ile Arg His Leu
                                    640
Glu Met Asp Phe Glu Lys Ser Arg Ser Gln Arg Glu Gln Glu Glu
                650
                                    655
Lys Leu Leu Ile Ser Ala Trp Tyr Asn Met Gly Met Ala Leu Gln
                665
                                    670 ·
Gln Arg Ala Gly Glu Glu Arg Ala Pro Ala His Ala Gln Ser Phe
                680.
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Leu Ala Gln Gln Arg Leu Ala Thr Asn Ser Arg Arg Gly Pro Leu
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Gly Arg Leu Ala Ser Leu Asn Leu Arg Pro Thr Asp Lys His
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Lys Arg Arg Arg Ala Leu Thr Arg Leu Tyr Leu Asp Lys Ala Thr
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Leu Ile Trp Asn Gly Asn Ala Val Ser Gly Leu Asp Ala Leu Asn
                                     55
Asn Phe Phe Asp Thr Leu Pro Ser Ser Glu Phe Gln Val Asn Met
                                     70 -
                 65
Leu Asp Cys Gln Pro Val His Glu Gln Ala Thr Gln Ser Gln Thr
                                     85
Thr Val Leu Val Val Thr Ser Gly Thr Val Lys Phe Asp Gly Asn
                 95
                                    100
Lys Gln His Phe Phe Asn Gln Asn Phe Leu Leu Thr Ala Gln Ser
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                                    115
Thr Pro Asn Asn Thr Val Trp Lys Ile Ala Ser Asp Cys Phe Arg
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Phe Gln Asp Trp Ser Ser Ser
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Phe Leu Val Ile Gly Ser Ala Gly Thr Gly Lys Ser Cys Leu Leu
His Gln Phe Ile Glu Asn Lys Phe Lys Gln Asp Ser Asn His Thr
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Ile Gly Val Glu Phe Gly Ser Arg Val Val Asn Val Gly Gly Lys

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Thr Val Lys Leu Gln Ile Trp Asp Thr Ala Gly Gln Glu Arg Phe
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Arg Ser Val Thr Arg Ser Tyr Tyr Arg Gly Ala Ala Gly Ala Leu
                110
                                     115
Leu Val Tyr Asp Ile Thr Ser Arg Glu Thr Tyr Asn Ser Leu Ala
                125
                                    130
Ala Trp Leu Thr Asp Ala Arg Thr Leu Ala Ser Pro Asn Ile Val
                                                         150
                140
                                    145
Val Ile Leu Cys Gly Asn Lys Lys Asp Leu Asp Pro Glu Arg Glu
                                    160
Val Thr Phe Leu Glu Ala Ser Arg Phe Ala Gln Glu Asn Glu Leu
                                    175
                170
Met Phe Leu Glu Thr Ser Ala Leu Thr Gly Glu Asn Val Glu Glu
                                     190
                                                         195
Ala Phe Leu Lys Cys Ala Arg Thr Ile Leu Asn Lys Ile Asp Ser
                                                         210
                200
                                     205
Gly Glu Leu Asp Pro Glu Arg Met Gly Ser Gly Ile Gln Tyr Gly
                                                         225
                215
                                    220
Asp Ala Ser Leu Arg Gln Leu Arg Gln Pro Arg Ser Ala Gln Ala
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Val Ala Pro Gln Pro Cys Gly Cys
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ggatttcaag acctatgtgg atcaggcctg cagagctgct gaggagtttg tcaatgtcta 180
ctacaccacc atggataagc ggcggcgttt gctgtcccgc ctgtacatgg gcacagccac 240
cotggtotgg aatggcaatg otgtttcagg acaagaatco ttgagtgagt tttttgaaat 300
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aagteeatea tetecagaac cagetagtet teetgeagaa gatattagtg caaacteeaa 180
tggcccaaaa cccacagaag ttgtattaga tgatgacaga gaagatcttt ttgcagaagc 240
tectgeagte acacetgica etectaetae acteatiget cetagaatig aateaaagag 360
tatgtctgct cccgtgatct ttgatagatc cagggaagag attgaagaag aagcaaatgg 420
agacattttt gacatagaaa ttggtgtatc agatccagaa aaagttggtg atggcatgaa 480
tgcctatatg gcatatagag taacaacaaa gacatctctt tccatgttca gtaagagtga 540
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caagatgaat gaatcggatg catggtttga agaaaagcag cagcaatttg agaatctgga 960
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tactgettta tetagagett tgteteaget tgeagaggtt gaggagaaga tagaecagtt 1140
acatcaagaa caagettttg etgaetttta tatgttttea gaactaetta gtgaetaeat 1200
tegtettatt getgeagtga aaggtgtgtt tgaecatega atgaagtget ggeagaaatg 1260
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gcaacaaggg gaaagagatt ttgaacagat atctaaaacg attcgaaaag aagtgggaag 1440
atttgagaaa gaacgagtga aggattttaa aaccgttatc atcaagtact tagaatcact 1500
agttcaaaca caacaacagc tgataaaata ctgggaagca ttcctacctg aagccaaagc 1560
cattgeetag caataagatt gttgeegtta agaagaeett ggatgttgtt eeagttatge 1620
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gctgaattga acactattgt gtcttaaata cttgcactaa atagtgcact gcaagaccaq 1860
aaaattttac aatatttttt otttacaata tgttotgtag tatgtttaco ototttatga 1920
agtgaattac caatgetttg aataatgtte aettatacat teetgtacag aaattaegat 1980
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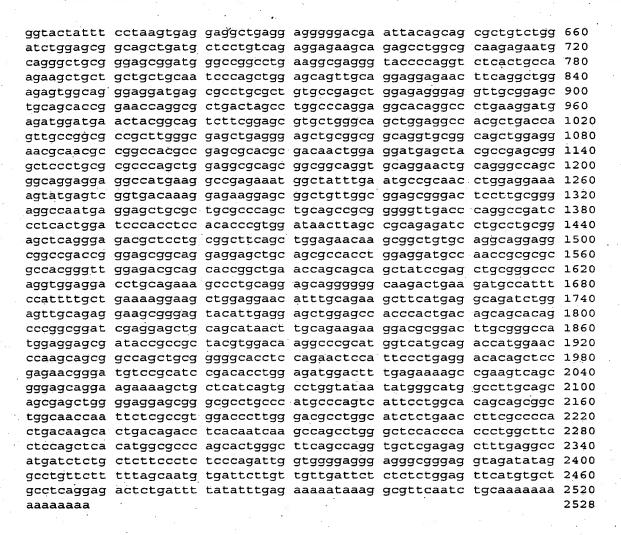
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